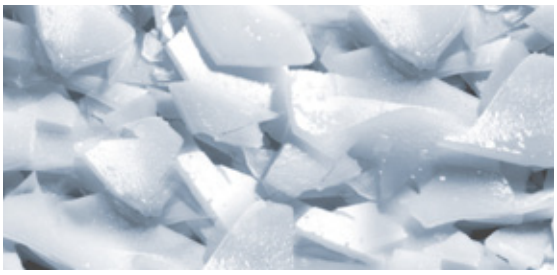
2013 Catalog
Geneglace

Geneglace

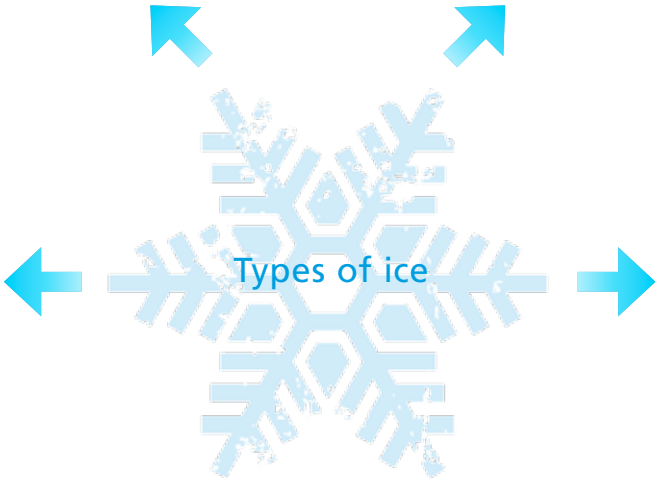
For more than 50 years, Geneglace has cultivated a genuine 'intelligence for Ice'.
All equipment presented in the catalogue benefit from this unique know-how.



Flake ice
Dry
Subcooled at -8°C
Large heat exchange surface
High cooling power

Liquid ice
Dual phase at -2°C
Instant chilling
Pumpable

Block ice
Made from Flake ice
Instantaneous production
Subcooled



Powdery ice
Dry and subcooled powder
Made from flake ice

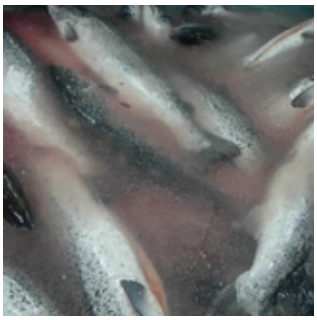
Temperature, heat-exchange surface area, cooling capacity, dryness, each type of ice has its own specifications. Select the kind of ice that suits your application best !

Engineering
for a better world

Application fields

Fish Industry

Fishing
Wholesaling
Processing
Fish farming



Supermarkets

Super and Hypermarkets
Wholesale platforms
Cafetaria, Catering

Food Processing

Bakery
Cooked meats trade
Slaughterhouses
Fruits and vegetable

Industry

Dye chemistry
Concrete cooling
Hospitals, Laboratories

Leasure

Skiing
Amusement parks
Hydrotherapy

Ice production → Storage → Ice management to suit a variety of applications

GENERATOR F600AB

Generator alone

To be connected to refrigeration plant or dedicated unit

Commercial range

MODEL	PRODUCTION TONS / 24 H ACCORDING TO OPERATING CONDITIONS
F15	0,5
F15 CO2	0,5
F30 NEW	0,65 to 1
F90 H	1,6 to 3
F90 V	3 to 3,5
F90 SBF	1,6 to 3,5
F90 SW Seawater	2 to 3

GENERATOR F30

Semi-industrial range

MODEL	PRODUCTION TONS / 24 H ACCORDING TO OPERATING CONDITIONS
F200 ABF R404	4,5 to 6,5
F200 ABF R717	
F200 SBF	
F250 ABF R404	6,5 to 10
F250 ABF R717	
F250 SBF	

SBF : Without Flood Bottle - ABF : With Flood Bottle

Marine range

MODEL	PRODUCTION TONS / 24 H ACCORDING TO OPERATING CONDITIONS
F30M TRI (fresh water)	1
F100 M TRI (fresh water)	2,7
F100SW TRI (seawater)	2,7

Industrial range

MODEL	PRODUCTION TONS / 24 H ACCORDING TO OPERATING CONDITIONS
F600 ABF	10 to 14
F600 SBF	
F800 ABF	15 to 20
F800 SBF	
F900 ABF	20 to 30
F900 SBF	
F800-2 ABF	30 to 36
F2000 ABF	30 to 50
F2000 SBF	

SBF : Without Flood Bottle - ABF : With Flood Bottle

F600 ABF GENERATOR

of flake ice

PACK 40

Plug and play flake ice production

DUAL PACK 14

Tropicalized

Ice pack range dedicated to high ambient temperature.

MODEL	PRODUCTION KG /24H
PACK 30 T	3 100
PACK 33 T	6 500
PACK 36 T	11 000
PACK 39 T	23 500

T packs include a pre-cooling water chiller
Nominal performance with 28°C water and 35°C air
* Wooden pallet for Full Container Load (FCL) shipping.

Marine range

MODEL M : FRESHWATER SW : SEAWATER	PRODUCTION KG /24H
PACK F30 M	1 000
PACK F100 M	2 700
PACK F100 SW	3 000
PACK F100 - 2M	5 500
PACK F100 - 2 SW	6 000

Land-based - seawater

MODEL SW : SEAWATER	PRODUCTION KG /24H
PACK F90 SW	2 700
PACK F90 2SW	5 000
PACK F90 3SW	10 000

Land-base - fresh water

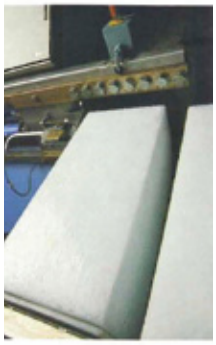
MODEL	PRODUCTION KG /24H	
	THICK ICE	THIN ICE
DUAL-PACK 11	350	400
DUAL-PACK 12	450	500
DUAL-PACK 13	650	700
DUAL-PACK 14	950	1 000
PACK 20	1 600	2 000
PACK 21	2 000	2 300
PACK 22	2 500	2 800
PACK 23	3 000	3 100
PACK 30	3 500	3 800
PACK 31	5 000	5 500
PACK 32	6 300	6 400
PACK 33	7 500	8 000
PACK 34	9 000	9 400
PACK 35	10 000	10 700
PACK 36	12 000	13 000
PACK 37	15 000	16 500
PACK 38	18 000	18 800
PACK 39	24 000	26 000
PACK 40	26 000	27 500

Nominal performance with 15°C water and 20°C air
* Wooden pallet for Full Container Load (FCL) shipping.

Options

DESCRIPTION
COMMON OPTIONS FOR PACK AND GENERATOR
SALT DOSING PUMP
REMOTE CONTROL WITH TIMER
OPTIONS FOR GENERATOR ONLY
ELECTRICAL CONTROL PANEL (3 PH+N+T) - DU*
ELECTRICAL CONTROL PANEL (3 PH+N+T) - RP*
CLEANING IN PLACE (INCLUDING CONTROL PANEL)
OPTIONS FOR PACK ONLY
CLEANING IN PLACE

*RP model- connected on refrigeration plant -DU model for dedicated unit



Block ice

Block ice production by compacting flake ice.
Commercial and industrial productions.

MODEL	PRODUCTION PER HOUR BLOCK SIZE	
	5 KG	20 KG
AUTOMATED		60 blocks/h
MANUAL	30 blocks/h	

Made from subcooled and dry flake ice at -8°C.
From 5 kg up to 25 kg ice block
Instantaneous ice production.
Economically competitive compared to traditional ice block plant
Less electrical comsumption demand and no water wastage.

AUTOMATED
ICE COMPACTOR

Powdery ice

Powder, tiny flakes and crystal formation
For vegetable covering and preservation.

MODEL	PRODUCTION M^3/24HRS
POWDERY ICE DEVICE NEW	Customized
SNOWLINE SL 50	50

Snow making indoor and outdoor from -10°C to +30°C ambient temperature. Contact GENEGLACE for any customized solution.

of ice

Liquid ice

NEW

F90Li

Liquid ice

Liquid ice produced from salted water with special adapted ice generator. Enrichment of the mix is ensured in slurry tank.

MODEL	PRODUCTION PER 24H GENERATOR ONLY M^3 / 24 H
Generator F90Li	10 to 12 m^3

Nominal performance with 15°C water.

MODEL	PRODUCTION PER 24H GENERATOR ONLY M^3 / 24 H
PACK LI	10 to 12 m^3

Production is dependent on site conditions. Plug and play.
Nominal performance with 15°C water.

PACK LI

Storage

COMBI C12

Combis

Small capacity ice plants. Simple and economical solutions.
Include a pack, an ice bin and an ice level detector.

MODEL	PROD. KG / 24H	CAPACITY KG
C11	400 / **Pack 11**	350 / **M0**
C12	500 / **Pack 12**	350 / **M0**
C13	700 / **Pack 13**	350 / **M0**
C14	1 000 / **Pack 14**	600 / **M1**
C20	1 900 / **Pack 20**	1 100 / **M2**
C21	2 200 / **Pack 21**	1 100 / **M2**
C22	2 800 / **Pack 22**	1 700 / **M3**
C23	3 500 / **Pack 23**	2 100 / **M4**

Storage capacity according to ice density.

Insulated ice bin

MODEL	FOR ICE MACHINE	CAPACITY* KG
M 0	**DUAL PACK 11-12**	350
M 1	**PACK 12-13-14**	600
M 2	**DUAL PACK 14-PACK 20**	1 100
M 3	**PACK 20-21-22**	1 700
M 4	**PACK 21 à 30**	2 100
M 5	**PACK 23 à 30**	3 600

* Storage capacity according to ice density. Silo pedestal available on request (stainless steel legs)

BIN

ORBITAL SILO

Self contained orbital silos

From 2 to 15 tons automatic extraction silos.
Operates along FIFO mode (first in first out).
Food compatible.

MODEL	DISCHARGE AND EXTRACTION AUGER$	CAPACITY TONS**
S 1	Included	1
S 2	Included	2
S 3	Included	3
S 4	Included	4
S 5	Included	5
S 8	Included	8
S 12	Included	12
S 15	Included	15

* Other discharge versions available. Please contact us.
** Storage capacity according to ice density.

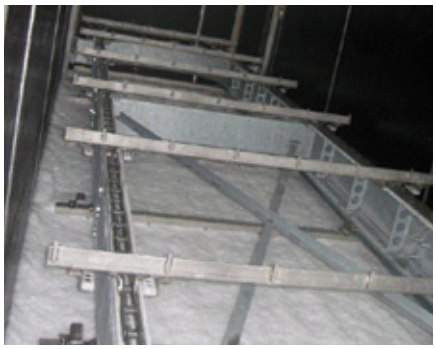
Options : small ice wheighing auger

Weighing system associated with coin or badge boxes.

DESCRIPTION
Weighing auger VP 5
Weighing auger VP 12
Weighing auger coin box
Weighing auger badges
High ice level detector
Ice level indicator Supply with orbital silo only

Large ice storage

For all ice-systems, the Geneglace teams are at your disposal for any assistance.



Horizontal containerized storage

MODEL	STORAGE CAPACITY TONS
SHC 20 - Rake extraction	20
CUG - Semi-auto central plant	9
SCM 10 - Manual extraction	< 10
SCM 20 - Manual extraction	< 20

Containerized storage models are fully mobile.
Storage have to be associated with ice production.

Orbital silos large size construction kit

Delivered as a kit without discharge equipment, different solutions of discharge module are presented on page 10.

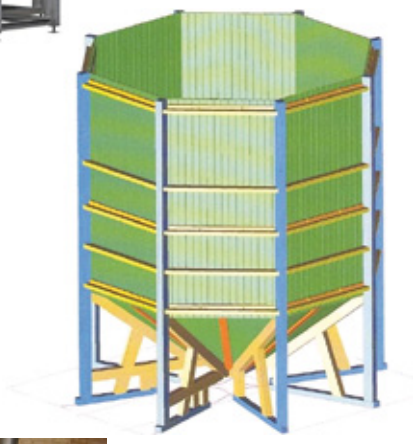
MODEL	STORAGE CAPACITY TONS
K S20	20
K S30	30
K S40	40

Large size chain wooden silo

Presented as a kit. Big size chain wooden silos have to be associated to the SDG system for ice extraction.

MODEL	STORAGE CAPACITY TONS
K SC 50	50
K SC 100*	2 x 50

Delivered with the GENEGLACE erection book;
* KSC 100 is double KSC 50
Internally faced with stainless steel plates for food compatibility.



Ice delivery system for wooden chain silo

MODEL	STORAGE CAPACITY TONS
SDG 700*	30 TO 50 T
SDGS 700**	30 TO 50 T

* SDG is completely built in steel
* SDGS is stainless steel built (with the exception of the chain)

SILO WITH CHAIN

Ice conveying
Ice management

For all ice-systems, the Geneglace teams are at your disposal for any assistance.

Ice conveyor belt

MODEL	DIMENSION M	FLOW T / H
IC 20	6 x 0,8	20
IC 20 cover	6m	20

For different lengths, please contact us.

Ice weighing belt conveyors

MODEL	DIMENSION M	FLOW T / H
IWC 10	2,8 x 1,2 0,8	20

With inlet hopper.

WEIGHING AUGER

Ice screw delivery

MODEL	DIMENSION M	FLOW T / H
IDS 15	4	15

Ice unloaded screw

MODEL	DIMENSION M	FLOW T / H
IUS 16	3,3	16

Ice weighing unloaded screw

MODEL	DIMENSION M	FLOW T / H
IWUS 16	3,3	16

SCREW CONVEYOR

ICE GUN

Ice pneumatic delivery systems

MODEL KG / MIN	HOPPER LITERS	TRAVELLING DISTANCE*	ELEVATION
80 to 150	300 litres	Up to 80m	Up to 4m
25 to 30	-	Up to 80m	Up to 4m
Bigger	-	On request	

* Elevation may impact maximum travelling distance.

PNEUMATIC CONVEYOR

Complete ice systems

CONTAINERIZED
ICE PLANT

Production, storage and delivery solutions

Conception «Plug and play»

GENEGLACE offers a large number of combinations to optimise the ice managment. Ours teams are at your disposal to assist you by selecting the best production/storage solution.

			STORAGE						
			MANUAL EXTRACTION(1)		EXTRACTION SEMI-AUTO(2)	AUTOMATIC EXTRACTION SYSTEM RAKE(3)			
			< 10 TONS	< 20 TONS	9 TONS	20 TONS	40 TONS	60 TONS	75 TONS
			SMC 20'	SMC 40'	CUG 40'	SHC 20	SHC 40	SHC 60	SHC 75
PRODUCTION	***Standard Pack*** *- Temperature air 25°C - max 35°C - Water inlet temperature 15°C*								
	3,5 TONS	PACK 30	X	X	X				
	5 TONS	PACK 31	X	X	X				
	7,5 TONS	PACK 33	X	X	X				
	10 TONS	PACK 35	X	X	X				
	12 TONS	PACK 36	X	X	X				
	24 TONS	PACK 39	X	X	X				
	Tropicalized Pack type T *- Temperature air 35°C - max 42°C - Water inlet temperature 28°C*								
	3 TONS	PACK 30T			X				
	6 TONS	PACK 33T			X				
	11 TONS	PACK 36T			X				
	Containerized ice plant *- Bh 30°C - Water inlet temperature 5°C*					*Food*	*Non food*		
	15 TONS	CPGR 15				X	X		
	25 TONS	CPGR 25				X	X		
	40 TONS	CPGR 40				X	X	X	X
	60 TONS	CPGR 60					X	X	X
	80 TONS	CPGR 80						X	X

HORIZONTAL
CONTAINERIZED

Storage capacity according to ice density.
All storage units are supplied with internal cooling.

(1) Complete ice factories including production and manual storage. Access ladder to the roof and fall protection included.
(2) Mobile factories including a cold room, semi-automatic ice extraction with a screw. Access ladder to the roof and fall protection excluded.
(3) Complete ice factories including production and rake storage. Water precooling unit excluded.

We live our values

Excellence • Passion • Integrity • Responsibility • GEA-versity

GEA Group is a global mechanical engineering company with multi-billion euro sales and operations in more than 50 countries. Founded in 1881, the company is one of the largest providers of innovative equipment and process technology. GEA Group is listed in the STOXX Europe 600 Index.

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